



DAFTAR PUSTAKA

- Aghamirian M. M., 1997, *Reactivity of Sulfide minerals and its Effect on Gold Dissolution and Its Electrochemical Behaviour in Cyanide Solution*: Queen's Univeristy, Ontario, 244 p.
- Arndt N.T., Fontboté L., Hedenquist J.W., Kesler S.E., Thompson J.F.H., and Wood D.G., 2017, *Geochemical Perspectives: Future Global Mineral Resources*: European Association of Geochemistry, 171p.
- Carlile J.C., Digdowirogo S., and Darius K., 1990, *Geological Setting, Characteristic and Regional Exploration for Gold in Volcanic Arcs of North Sulawesi, Indonesia*: Journal of Geochemical Exploration, 35, pp 105-140.
- Carlile J.C., and Mitchell A.H.G., 1994, *Magmatic Arcs and Associated Gold and Copper Mineralization in Indonesia*: Journal of Geochemical Exploration, 50, pp 91-142.
- Cooke D.R., and Simmons S.F., 2000, *Characteristic and Genesis of Epithermal Gold Deposit*: SEG Reviews vol 13, pp 221-244.
- Corbett 2007, Comments on the Controls to Au-Ag Mineralisation at the Tahuehueto Project, Durango, Mexico: Corbett Geological Services Pty. Ltd, Australia, 9 p
- Corbett G.J., and Leach T.M., 1997, *Southwest Pacific Rim Gold-copper Systems: Structure, Alteration, and Mineralization*: A Workshop Presented for the Society of Exploration Geochemists at Townville, 318 p.
- Dai X. and Jeffrey M.I., 2006, *the Effect of Sulfide Minerals on the Leaching of Gold in Aerated Cyanide Solution*: Hydrometallurgy 82, Elsevier, pp 118-125.
- Deschênes G., 2016, *Geometallurgical Characterization and Automated Mineralogy of Gold Ores*, Advances in Gold Ore Processing Second Edition: Elsevier, pp 95-103.
- Deschênes G., Pratt A., Riveros P., and Fulton M., 2002, *Reaction of Gold and Sulfide Minerals in Cyanide Media*: Minerals and Metallurgical Processing 4, pp 169-177.
- Effendi A.C., dan Bawono S.S., 1997, *Peta Geologi Lembar Manado, Sulawesi Utara Edisi ke-2*: Pusat Penelitian dan Pengembangan Geologi.
- Enaudi M.T., Hedenquist J.W., and Inan E.E., 2003, *Sulfidation State of Fluids in Active and Extinct Hydrothermal Systems: Transitions from Porphyry to Epithermal Environments*: Giggenbach Volume, Society of Economic Geologist, Special Publication 10, pp 285-313.
- Evans A. M., 1993, *Ore Geology and Industrial Mineral*, 3rd: Blackwell Publishing, Oxford, 350 p.
- Fernández B., Lobo, L., and Pereiro R., 2018, *Atomic Absorption Spectrometry: Fundamentals, Instrumentation and Capabilities*, Encyclopedia of Analytical Science Third Edition: Elsevier, pp 137-143.
- Ghosh R.S., Dzombak D.A., and Wong-Chong G.M., 2006, *Physical and Chemical Forms of Cyanide*, Cyanide in Water and Soil: Chemistry, Risk, and Management: Taylor and Francis, pp 15-25.



- Hall R., 2009, *Indonesia, Geology*: Royal Holloway University, London. (http://searg.rhul.ac.uk/pubs/hall_2009_Indonesia%20Islands.pdf) diakses tanggal 20 September 2019)
- Hamilton W., 1979, *Tectonics of the Indonesian Region*: U.S Geological Survey Professional Paper, 356 p.
- Hedenquist J.W., Arribas A.R. and Gonzalez-Urien E., 2000, *Exploration for Epithermal Gold Deposits: Society of Economic Geologists, Reviews in Economic Geology* vol 13, pp 245-277.
- Hedenquist J.W., Izawa E., Arribas A.R. and White N.C., 1996, *Epithermal Gold Deposit Styles, Characteristics and Exploration*: Resource Geology Special Publication No.1, Society of Resource Geology, 19 p.
- Kavalieris I., Van Leeuwen Th.M., and Wilson M., 1992, *Geological Setting and Styles of Mineralization, North Arm of Sulawesi, Indonesia*: Journal of Southeast Asian Earth Sciences Vol.7, No. 2/3, pp 113-129.
- La Brooy S.R., Linge H.G., and Walker G.S., 1994, *Review of Gold Extraction from Ores*: Minerals Engineering 7, Pergamon, pp 1213-1241.
- Lipton, I., 2017, *Using Geometallurgy to Improve Mine Profitability*: Proceedings MGEI Geometallurgy Convention 2017 (MGC 2017), Yogyakarta, pp 5-7.
- Lishchuk V., 2016, *Geometallurgical programs – critical evaluation of applied methods and technique*: Department of Civil, Environmental and Natural Resources Engineering Luleå University of Technology: Sweden, SE-971 87 Luleå, 126 p.
- Lund C., and Lambregt, P., 2014. *Geometallurgy – A tool for better resource efficiency*, Metallic Mineral Resources- Meeting Future Demands: European Geologist Volume 37, European Federation of Geologists, 5 p.
- Marsden and House, 2006, *The Chemistry of Gold Extraction Second Edition*: Society for Mining, Metallurgy, and Exploration, Inc: Colorado, 651p.
- McCaslin and Johnson, 2016, *Liquid-Solid Separation in Gold Processing*, Gold Ore Processing Second Edition: Elsevier, pp 279-297.
- Ministry of Energy and Mineral Resources, 2015, *Indonesia Mineral and Coal Information 2015*: Jakarta, Ministry of Energy and Mineral Resources, Republic of Indonesia, 36 p.
- Moon C., Whateley M.K.G., and Evans, A. M., 2006, *Introduction to Mineral Exploration, 2nd*: Blackwell Publishing, Oxford, 496 p.
- Morrison G., Dong G., and Jaireth, S., 1990, *Textural Zoning in Epithermal Quartz Veins*, Klondike Exploration Services: Townsville, 35p.
- Moyle A.J., Wake B.A., Tuckey S.H., and Ariti J., 1997, *The Toka Tindung Gold Project Northern Sulawesi, Indonesia*: World Gold '97 Conference, Singapore, pp 27-34.
- Pratomo A., 2014, *Optimization Gold Cyanidation Process to Increase Gold Extraction at Pongkor*, Gold Mining Business Unit Indonesia, Mine Planning and Equipment Selection, Springer International Publishing Switzerland, pp 1081-1089.
- Rees K.L. and van Deventer J.S.J., 2000, *Preg-robbing phenomena in the cyanidation of sulphide gold ores*: Hydrometallurgy 58, Elsevier, pp 61-80.



- Schwartz D.S., 2015, *INFL Guideline on Powder X-Ray Diffraction (XRD)*: Los Alamos National Library, 7 p.
- Simmons S.F., White N.C., and John, D.A., 2005, *Geological Characteristic of Epithermal Precious and Base Metal Deposits*, Society of Economic Geologists: Economic Geology, 100th anniversary volume, pp 485-522.
- Tremolada J., Dzioba R., Bernardo-Sánchez A., and Menéndez-Aguado J.M., 2010, *the Preg-Robbing of Gold and Silver by Clays during Cyanidation under Agitation and Heap Leaching Conditions*: International Journal of Mineral Processing 94, Elsevier, pp 67-71.
- Van Leeuwen Th.M., and Pieters P.E., 2011, *Mineral Deposits of Sulawesi*: Proceeding of the Sulawesi Mineral Resources 2011 Seminar MGEI-IAGI, Manado, 131 p.
- Velde B., 2003, *Green Clay Minerals*: Treatise on Geochemistry vol. 7, Elsevier, pp 309-324.
- Velde B. and Meunier A., 2008, *The Origin of Clay Minerals in Soils and Weathered Rocks*: Springer, Berlin, 426 p.
- Wadnekar D., Tade. M., Pareek V.K., and Utikar R.P., 2015, *Modeling and Optimization of Carbon in Leach (CIL) Circuit for Gold*: Minerals Engineering 83, Elsevier, pp 136-148.
- Wake B.A., Sinugroho I.A., and Kuswandi M.D., 1997, *Epithermal Gold-Silver Mineralisation in a Fossil Hot Spring System, Toka Tindung, North Sulawesi*: Proceeding of National Seminar of Human Resources of Indonesian Geologist, Geological Engineering, Mineral Technology Faculty UPN "Veteran", Yogyakarta, pp 1-7.
- White N.C., and Hedenquist, J.W., 1995, Epitermal Gold Deposits: Styles, Characteristics And Exploration, Published in SEG Newsletter, 1995, No. 23, pp 9-13.
- Wibowo A., 2017, *Comparison GC Model vs Blastholes Model using Unconstraint Strategic in Pit Toka*: Proceedings MGEI Geometallurgy Convention 2017 (MGC 2017), Yogyakarta, pp 109-119.
- Williamson A., 2011, *Discovery and Development of Toka Tindung Low Sulphidation Epithermal Gold Project*: Proceeding of Sulawesi Mineral Recources 2011 Seminar MGEI-IAGI, Manado, pp 259-266.
- Watkinson I.A., *Ductile flow in the metamorphic rocks of central Sulawesi*, The SE Asian Gateway: History and Tectonics of the Australia–Asia Collision: The Geological Society of London, pp 157-177.
- Yannopulos, J. C., 1991, *The Extractive Metallurgy of Gold Extractive of Gold*: Van Nostrand Reinhold, New York, 284 p.
- Zhou J., and Gu, Y., 2016, *Geometallurgical Characterization and Automated Mineralogy of Gold Ores*, Gold Ore Processing Second Edition: Elsevier, pp 95-103.
- Zhou X., Jara, C., Bardoux, M., and Plasencia, C., 2017, *Multi-Scale integrated application of Spectral Geology and Remote Sensing for Mineral Exploration*: Proceedings of Exploration 17: Sixth Decennial International Conference on Mineral Exploration, pp 889-910.